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TYPE OR PRINT IN BLACK INK (For instructions, see booklet: "How to File an Application to Appropriate Water in California")



#### California Environmental Protection Agency

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000, Sacramento, CA 95812-2000
Tel: (916) 341-5300 Fax: (916) 341-5400

APPLICATION NO. 31736

www.waterrights.ca.gov

## APPLICATION TO APPROPRIATE WATER

#### 1. APPLICANT/AGENT

	APPLICANT.	ASSIGNED AGENT (if any)
Name	The Hess Collection Winery	Wagner & Bonsignore, CCE
	Veeder Hills Ranch	
Mailing Address	P.O. Box 4110	444 North Third Street Ste 325
City, State & Zip	Napa, CA 95448	Sacramento, CA 95811
Telephone	(707) 255-1144	(916) 441-6850
Fax		(916) 448-3866
E-mail		ryans@wagner-engrs.com

·-	☐ Sole Owner ☐ Limited Partnership*	TION (Please check type of owners) ☐ Limited Liability Company (LLC) ☐ Business Trust ☐ Joint Venture	hip.) ☐ General Partnefship* ☐ Husband/Wife Co-Ownership ☐ Other
	*Please identify the names	, addresses and phone numbers of all par	
3.	to type of construction act	ON (Provide a detailed description of your vity, area to be graded or excavated, and and check box below and label as an atta	UDM the Maret Mill be good.) Year
	<u> </u>		
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	7.12	and mount No	
	🛛 For continuation, see Atta	achment No. 👱	

PHO ONE

## 4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

PURPOSE		DIRECT	DIVERSION			STORAGE	SNI ZSE
OF USE (irrigation,	AMO	TMU	SEASC DIVER		AMOUNT	SEASC COLLE	CTION
domestic etc.)	Rate	Acre-feet	Beginning		Acre-feet per	Beginning date	date
	(cfs or gpd)*	per annum		(month &	annum	/month&	(month & day)
Irrigation			day)	uayy	66	11-1	5-31
	<del> </del>						
			i				
	Total afa			Total afa	66	use callons n	er day (gpd).
See Attachment N	o	' If rate is les	s than 0.025 o	cubic teet pe	r secona (cis), (u-log con con	o voar will be	cracy (gps).
Total combined	C L						
66 acre Reservoir storag	e-feet. ie is: ဩ on	stream 🗆	offstream 🗆	undergrout	nd (If underg	round storag	e, attach
				•		hich water wi	
Underground S County in which Napa	ı diversion i	s located: _			_COBILCY III W	TOOT WATER W	ii bo does
OURCES AND	POINTS C	F DIVERS	SION/REDIV	ERSION	(PORD):	t	thence
. Sources and Po 1 ⊠ POD <del>/⊡</del> -P€	oints of Dive	ersion (POL named sti	team rribu	Lary LO .	LICKTE OTH		iributary to
Redwood Cre	ek		thence	Napa Cr	eek thence	Napa XIV	er
2 X POD / X PO	ORD # un	named sti	 caam tribu	tary to	Pickle Can	yon '	<del>tributary to</del> th
Redwood Cre	eek		thence	Napa Cr	eek thence	: Maha Kra	ibutary to
3 🗵 POD /	JRD#_Re	dwood Cr	eek thence	Napa R	iver	<u> </u>	
Napa Creek □ POD/□ PO	 JBD #		(1161160			tr	butary to
			thence				
	ditional page	s, check box	below and lal	bel attachme	ent		
f needed, attach ad	,						
🗆 See Attachment i	Vo						
□ <i>See Attachment i</i> b.   State Planar a	Vo ind Publi <u>c L</u>	and Survey	Coordinate	Description	: TION TOW	Naii RANGE	BASEAND
□ See Attachment I b. State Planar a □ POD/ □ CA	vo ind Public L LIFORNIA	and Survey	Coordinate   POINT IS WI (40-acre		: TION TOW	N- RANGE	BASE AND MERIDIAN
□ See Attachment I b. State Planar a PODI CA PORD COC	Vo ind Publi <u>c L</u>	and Survey	POINT IS WE	I ITIIN I SLC		N- RANGE	BASE AND MERIDIAN
D. State Planar a POD/ CA PORD CO	Vo Ind Public L LIFORNIA PRDINATES	and Survey	(40-acre subdivisio	I ITIIN I SLC		N- RANGE - RANGE	BASE AND WERIDIAN
D. State Planar a POD/ CA PORD CO	Vo Ind Public L LIFORNIA PRDINATES	and Survey	POINT IS WE (40-acre			N- RANGE	BASE AND WERIDIAN
D See Attachment I b. State Planar a PODI CA PORD COC	Vo Ind Public L LIFORNIA PRDINATES	and Survey	(40-acre subdivisio			N- RANGE - RANGE	BASE AND MERIDIAN
D See Attachment I b. State Planar a PODI CA PORD COC	Vo Ind Public L LIFORNIA PRDINATES	and Survey	/40-acre subdivisio	n)		N- RANGE	BASE AND
PORD COC	Vo Ind Public L LIFORNIA PRDINATES	and Survey	/40-acre subdivisio 1/4 of 1/4 of	174 SEC		N- RANGE	BASE AND

if needed, attach additional p.

See Attachment No. 2

c. Name of the post office most often used by those living near the proposed point(s) of diversion: Napa

-	VA	ATER AVAILABILIT Have you attached a If NO, provide sufficie unappropriated water pages, check box be	water availa ent information is available	on to demonst for the propos				d that dditional
	٥.	<ul> <li>See Attachment No.</li> <li>Is your project locate</li> <li>Resources Control B</li> <li>YES □ NO</li> <li>In an average year,</li> </ul>	ed on a stream loard (State )	Water Board)	aunny your	wnetream of	f vour project	?ÆIYES□NO
		If YES, during which ☐ Nov ☐ Dec What alternate sourd be excluded becaus purchased water, et N/A	months? Li ces of water e water is no c.) If needed	are available i	f a portion o	of your reque	sted diversion	n season must undwater,
7.	ΡI	☐ See Attachment No	). <u> </u>					
	* 1	USE IS WITHIN  40-acre subdivision)  1/4 of 1/4  Please indicate if section  Napa County: 34-	4 Please p	TOWNSHIP	RANGE	BASE & MERIDIAN  Total Acres: tion number. cel Number(	Acres	RRIGATED  Presently cultivated:  YES NO
	. <b>F</b>	PROJECT SCHEDLE  a. Project is:  prop  ix partially comple are existing  yet built.  ix complete. Year of first use:	JLE losed. Year lete. Extent of but are pro- r completed: 1973	Year water v	vill be used	ged. Tollin	C OT DIVER	
9	<b>,</b> 1	JUSTIFICATION O	F AMOUNT Maximum are	s REQUES I ea to be irrigat	ed in any or	ne year:15	51a	cres.

8886	ACRES	METHOD	of I	WATER USE	SEASON OF	WATER USE
CROP	A0111-0	IRRIGATI( (sprinklers, flood	DN .	(Acre- feet/Yr:)	Beginning date	Ending date (month & day)
Vineyard	151	Drip Irrig	ation	66	4-15	11-1
Vineyald	132					
See Attachmen						
DOMESTIC	gallons per day	sidences to be sopple to be served Area of domes	erved: : tic lawns a	Some Some Some Some Some Some Some Some	eparately owned? d daily use per pe	erson is: _square feet
		(dust contro	ol area, numbe	r and kind of dom	estic animais, etc.)	
	TEDINO 100 1				mum number:	
∴ STOCKWA Describe type	ATERING: Kind ( of operation:	OI SLOCK				
			(1200)	ot, dairy, range, e		har
d. 🗆 RECREAT	FIONAL: Type o	f recreation:	Fishing L	Swimming	☐ Boating ☐ Ot	, IIOI
e. 🗆 MUNICIPA	AL:		CORS KINSTON		ANNUAL USE	
List for 5-year p	AT)ON periods until use ppleted					
Period	Population	Average dally use (gallons per capita)	Rate of diversion (cfs)	Average use (gallons capit	per	) (acre-feet
Present						
						!
Month of min	eximum use durin	g year:	lled:	n	et acres	
Type of crop	s protected:					gom per a
Rate at which	th water is applied to a season will be	ed to use: pedin		and e	nd(mor	_ 37 79. 4
Heat protec		(month ar	d day)	·	met acres	nth and day)
Type of crop	PROTECTION: os protected: ch water is applic otection season	ad to use:	onth & day)	gpm per acre and end	e (month & day)	
TO MIDLIOT	TURNS of in	sduetry:			<u></u>	
Basis for de	etermination of a	mount of water n	eeded:			
i.   MINING	: Name of the cl	aim:			🗆 Patented	I ∐ Unpatei

	Natura of th	ne mine:				Mineral(s	s) to be	mine	ed:		
	Type of mill	ing or processing:							<u>-</u> -		vatercourse
	After use, tl	ing or processing: he water will be dis 1/4 of1/4 o	scharge	ed into						——— (V В. & I	удкогоситов. М,
	in	1/4 of 1/4 O	of Sect	ion			' ' \ <del>_</del> _		,		
j.	Noncination f	R: Total head to be low through the pe	enstack	<b>(</b>	UIS	Maximu	um thec	retica	al horse	power ca	apable of
	being gene	rated by the works apacity (hp x 0.746	cfs x fa	all ÷ 8.8):			_ tt <b></b> t:		0/ o <del>ff</del>	iciency	
	Electrical c	apacity (hp x 0.746	x effici	ency): _		KIIOW	atts at.		/0 611	(wai	tercourse)
	After use, t	apacity (hp x 0.746 he water will be die of ¼ of Section	scharg	jea into	' <u>`</u>				B&M. F	ERC No.	:
	ın /4	Of 74 OF Section	JII		'					-16	oice and
ŀ	k. 🗆 FISH AI	ND WILDLIFE PRE	ESERV	/OITA\	1 AND/OF	S ENHAN	ICEME	NI: I	_ist spe	ecine spe	ujes and
	nabitat typ	be that will be pres	erved	or enha	anced:		·				
		D. a suite a vent									
I	I. LI OTHER:	Describe use: letermination of an	nount o	of wate	r needed:					<u> </u>	
	Dasis ioi c	letermination of an	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
10	DIVERSIO	N AND DISTRIB	4OITU	I MET	HOD #	1 & #2					
			-	£.	Dams						<u> </u>
			тонать с	ութե ու ս	II IODSII uote	ed channe	I, pipe th	roug!	n dam, s	siphon, we	eir, gate, etc
	b. Diversion	ı wiil be by pumpin	g from	#3:	offset	7.70				eservoir, e	
								eu, cn	annei, it	3561VOII, C	, ic/
	Pump dis	scharge rate: 3		_ IXI cts	s or $\sqcup$ .gp	а потъе	shower.				
		ficiency:	_								
	n Conduit f	rom diversion poin	— it to firs	st latera	al or to off	stream s	forade i	reser	voir:		OADACH
	n Conduit f	rom diversion poin	t to firs	st latera	al or to off	stream s	torage i	reser TH	voir:	TAL	CAPACIT
	c. Conduit f	rom diversion poin MATERIAL	t to firs	st latera	al or to off :0SS-SEC pipe diame	stream s TION iter,	torage i	reser TH	voir:		(crs, gpa.c
·	c. Conduit f	rom civersion poin MATERIAL (type of pipe of channel tring,	t to firs	st latera CR ( or	al or to off OSS-SEC pipe diams ditch depti	stream s TION iter, n and	torage i	reser TH t)	voir: TÕ LIFT C	TAL	(crs, gpa.c
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to #7	c. Conduit ( CONDUIT (pipe or channel)	rom civersion poin MATERIAL (type of pipe of channel thing, indicate if pipe is buried or not	t to firs	st latera CR ( or	al or to off OSS-SEC pipe diame ditch depti and bottom inches or f	stream s TION eter, n and n width)	torage i	reser TH t)	voir: TÕ LIFT C	TAL IR FALL	(crs, gpa.c
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	c. Conduit (CONDUIT (Dipe or channel))  Pipe  Pipe  Pipe  See Attack  d. Storage	rom civersion poin  MATERIAL  (type of pipe of charinel tining, indicate if pipe is buriled or not PVC  PVC  PVC  reservoirs: (For u	t to firs	st latera CR (0 or top: 10'	al or to off OSS-SEC pipe diame ditch depti and bottom inches or f	stream s TION Xer, n and i width) eet)	torage (LENG) (Fee 1100 1400 and atta	reser TH t)	voir: TO LIFT C feet 40 180  dergro face when	TAL R FALL + or - + - + und store	(drs. gpa.c gpm)  2 CFS  3 CFS  age form)  R  Maximu () Water
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	et pipe. Co	ompiete	ioi sioia(	ge reservoirs having a c	r PIPE	
RESER' NAM OR NUME	IE Diá Lini	imeter nches	Length in feet	Fall: Vertical distance between entrance and exit of outlet pipe in feet	Head: Vertical distance from spillway to entrance of outlet pipe in feet	Dead Storage: Storage below entrance of outle pipe in acre-fee
1	Res	servoí	r is ex	isting, dewatering	will be accompli	ished by pumpin
2		12	320	38' siphon	27'	3 af
	 Attachment	Na		·		
to o	ff-stream s Pumping [	torage v Gravit	will be Y	eservoir is not at the poil  3 cfs. Diversion to	nt of diversion, the max o offstream storage will	imum rate of divers be made by:
a. Wha	SERVATION TERMINATION OF THE PROPERTY OF THE P	will you	use to co	onserve water? Explain		
oro i	not waeting	a weter?	> '□ Weir	sion to be sure you are  Meter Periodics  onstream faciliti	ampling a other (des	ichoe)
are Res det RIGH a. Do	not wasting servoirs cermined  IT OF AC es the app	g water? are expression  CESS licant on	y ☐ Weir xisting nthly m	I Meter L Periodics onstream facilities easurements from s land where the water w	ampling & Other (des es. Water in stor taff gages in the H be diverted, transport	rage will be reservoirs.  ted and used?
Res det RIGH a. Do SI If N b. Lis tak	not wasting servoirs cermined  IT OF AC es the app	g water? are e: by mo  CESS  licant ov  O	P ☐ Weir xisting nthly menthly menthe wn all the not have halling ades:	onstream facilities on the seasurements from sea	ampling & Other (des es. Water in stor taff gages in the H be diverted, transport	ted and used?
are Res det  RIGH a. Do  If N b. Lis tak	not wasting servoirs cermined  HT OF AC es the app YES  NO, I  do	CESS  CESS  CO  Co  Co  Co  Co  Co  Co  Co  Co  Co	wheir wisting and the not have nailing ad as:	I Meter L Periodics onstream facilities easurements from s land where the water w	ampling & Other (des.es. Water in store taff gages in the libe diverted, transport written authorization andowners and state where the libe is a sta	ted and used?  Illowing me access hat steps are being

c. Lis or that	it any related applications, registrations, permits, or licenses located in the proposed place of use tutilize the same point(s) of diversion.
	See Attachment No
۸ -	IER SOURCES OF WATER re you presently using, or do you intend to use, purchased water or water supplied by contract in project? □ Yes 图 No If yes, please explain:
The Wall of S	PREQUIREMENTS The Division cannot process your application without accurate information showing the source of pater and location of water use. You must include a map with this application form that clearly dicates the quarter/quarter, section, township, range, and meridian of (1) the proposed points of version and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your roject area is preferred, and can be obtained from sporting goods stores or through the Internet at the highest three cubic feet per second by direct diversion, (2) constructing a dam which will be under the trisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1,000 acre-feet per annum by underground storage. The light three properties of the instruction booklet for more information.
	ENVIRONMENTAL INFORMATION
nformati Environn been pre he State be requi docume applicati	efore a water right permit may be issued for your project, the State Water Board must consider the ion contained in an environmental document prepared in compliance with the California mental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet epared for your project, a determination must be made of who is responsible for its preparation. If a Water Board is determined to be responsible for preparing the CEQA document, the applicant will red to pay all costs associated with the environmental evaluation and preparation of the required onts. Please answer the following questions to the best of your ability and submit with this ion any studies that have been conducted regarding the environmental evaluation of your project.
a (	Contact your county planning or public works department and provide the following information:
]	Person contacted: Terri Date of contact: 11-12-08 Department: Napa County Planning Telephone: (707 ) 253-4416 County Zoning Designation: 34-230-020: AW
- /   	Are any county permits required for your project? ☑ YES ☐ NO If YES, check appropriate box below: ☑ Grading permit ☐ Use permit ☐ Watercourse ☐ Obstruction permit ☐ Change of zoning ☐ General plan change ☐ Other (explain):
	VI
1	Have you obtained any of the required permits described above? ☐ YES ☒ NO If YES, provide a complete copy of each permit obtained. ☐ See Attachment No

 a. 1	ATE/FEDERAL PERMITS AND REQUIREMENTS  Check any additional state or federal permits required for your project:  □ Federal Energy Regulatory Commission □ U.S. Forest Service □ U.S. Bureau of Land  Management □ U.S. Corps of Engineers □ U.S. Natural Res. Conservation Service □ Calif.  Dept. of Fish and Game □ State Lands Commission □ Calif. Dept. of Water Resources (Div. of Safety of Dams) □ Calif. Coastal Commission □ State Reclamation Board □ Other (specify)
b.	For each agency from which a permit is required, provide the following information:  AGENCY PERMIT TYPE PERSON(S) CONTACTED CONTACT DATE TELEPHONE NO.
L_	☑ See Attachment No. 6
c.	Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake? 图 YES □ NO If YES, explain:  Enlargement of the two existing onstream reservoirs.
·	
d.	☐ See Attachment No Have you contacted the California Department of Fish and Game concerning your project? ☐ YES ☑ NO If YES, name, telephone number and date of contact:
а	NVIRONMENTAL DOCUMENT  Has any California public agency prepared an environmental document for your project?  ☐ YES ☑ NO  If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency:
c	If NO, check the appropriate box and explain below, if necessary:  ☐ The applicant is a California public agency and will be preparing the environmental document.*  ☐ I expect that the State Water Board will be preparing the environmental document.**  ☐ I expect that a California public agency other than the State Water Board will be preparing the environmental document.* Public agency:  ☐ See Attachment No.
	* Note: When completed, submit a copy of the <u>final</u> environmental document (including notice of determination) or notice of exemption to the State Water Board, Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.
	<ul> <li>Note: CEQA requires that the State Water Board, as Lead Agency, prepare the environmental document.</li> <li>The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the State Water Board, Division of Water Rights.</li> </ul>

19.	<b>W</b> .	Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidit or sedimentation?   YES NO If YES, or you are unsure of your answer, explain below and contact your local Regional Water Qualit Control Board for the following information (See instruction booklet for address and telephone no.):
	_	
		See Attachment No
	b.	Will a waste discharge permit be required for your project? ☐ YES ☑ NO  Person contacted: Date of contact:  What method of treatment and disposal will be used?
	C.	
		See Attachment No
20.	а.	RCHEOLOGY  Have any archeological reports been prepared on this project? □ YES ☑ NO  Will you be preparing an archeological report to satisfy another public agency? □ YES ☑ NO  Do you know of any archeological or historic sites located within the general project area?  □ YES ☑ NO If YES, explain:
		□ See Attachment No
21	. E	Attach two complete sets of color photographs, clearly dated and labeled, showing the vegetation that exists at the following three locations:  Along the stream channel immediately downstream from the proposed point(s) of diversion.  Along the stream channel immediately upstream from the proposed point(s) of diversion.  At the place(s) where the water is to be used.  See Attachment No. 7

#### SUBMITTAL FEES

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website (www.waterrights.ca.gov).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

## **RECEIVED**

NOV 25 2008

#### **WAGNER & BONSIGNORE**

Page 10 of 10

#### DECLARATION AND SIGNATURE

applica	tion	CHIEF FINANCIAL DEFICER 1	1/23/00
U	Signature of Applicant	Title or Relationship	Da
Signa	ature of Co-Applicant (if any)	Title or Relationship	Dat
	·····································	filled out and/or do not have the appropria at the Division has to return the application	
wiii n it is i revie	ncomplete, a portion of the app	lication submittal fee will be charged for th	e initial
(CV)C			
	<u>"APPLICATION TO AF</u>	PROPRIATE WATER" CHECKLIS	Ţ
	Before you submit your appli	cation, be sure to:	
	Answer each question cor	mpletely	
	Number, label and include	eall necessary attachments.	
	Include a legible map that instruction booklet.	meets the requirements discussed in the	
	include the Water Availab demonstrate that there is is available for the propos	ility Analysis or sufficient information to reasonable likelihood that Imappropriated sed appropriation.	water
	a Include two complete sets	s of color photographs of the project site.	
	□ Enclose a check for the re Rights:	equired fee, payable to the Division of Wate	91
	b Enclose an \$850 check for payable to the Departmen	or the Streamflow Protection Standards rev ht of Fish and Game.	iew fee,
	Sign and date the application	ition.	
	Send the original and one co	ppy of the entire application to:	
	State Water Resources C Division of Water Rights	fontrel Board	

# Attachments to Accompany Water Right Application The Hess Collection Winery Veeder Hills Ranch

#### Attachment #1

#### 3. Project Description

This project consists of storage of 66 acre-feet of water in two existing onstream reservoirs. Reservoir #1 was built in the late 1960's and has a current capacity of 11.3 acre-feet; it is proposed to be enlarged to 15 acre-feet. Reservoir #2 was built in 1981 and has a current capacity of 28.7 acre-feet; it is proposed to be enlarged to 51 acre-feet. The reservoirs are located on separate adjacent unnamed streams which are both tributary to Pickle Canyon thence Redwood Creek thence Napa Creek thence Napa River. They currently store water from their naturally tributary areas. Water stored in Reservoir #2 is also supplemented by water diverted at Point of Diversion #1 through an existing 6" diameter pipe. The Applicant proposes to develop an offset well at Point of Diversion #3 on Redwood Creek to divert water to offstream storage in Reservoir #2.

Water will be used for irrigation of 151 acres of existing vineyard that was developed in the mid 1970's (see location on Attachment 5). The place of use is fully developed and no changes are requested pursuant to this Application.

Applicant will be making application to the Department of Water Resources, Division of Safety of Dams for approval of plans and specifications for Reservoir #2. Such application is expected to be submitted in early 2009.

#### Attachment #2

5.b. State Planar and Public Land Survey Coordinate Description

### Map Point Description

- Point of Diversion by Collection to Storage & Point of Diversion to offstream Storage at Reservoir #2: Located N.247,400 and E.1,890,850, California Coordinate System, Zone 2, NAD 27. Being within SW¼ of SE¼ of Section 23, T6N, R5W, MDB&M.
- Point of Diversion by Collection to Storage & Point of Rediversion for water diverted at Points of Diversion #1 & #3: Located N.246,250 and E.1,891,050, California Coordinate System, Zone 2, NAD 27. Being within NW¼ of NE¼ of Section 26, T6N, R5W, MDB&M.
- 3 Point of Diversion to offstream Storage in Reservoir #2: Located N.245,300 and E.1,890,100, California Coordinate System, Zone 2, NAD 27. Being within SE¼ of NW¼ of Section 26, T6N, R5W, MDB&M.

#### Attachments to Accompany Water Right Application The Hess Collection Winery Veeder Hills Ranch

#### Attachment #3

6. Water Availability

See separate attachment.

#### Attachment #4

#### 7. Place of Use

						Previously
Use Within	Section	Township	Range	B. & M.	Acres	Cultivated
NE¼ of SE¼	22	T6N	R5W	M.D.	1	Yes
NW¼ of NW¼	23	T6N	R5W	M.D.	4	Yes
NE¼ of NW¼	23	T6N	R5W	M.D.	1	Yes
SW1/4 of NW1/4	23	T6N	R5W	M.D.	15	Yes
SE¼ of NW¼	23	T6N	R5W	M.D.	4	Yes
NW¼ of SW¼	23	T6N	R5W	M.D.	15	Yes
NE¼ of SW¼	23	T6N	R5W	M.D.	26	Yes
NW¼ of SE¼	23	T6N	R5W	M.D.	6	Yes
SW¼ of SW¼	23	T6N	R5W	M.D.	7	Yes
SE¼ of SW¼	23	T6N	R5W	M.D.	8	Yes
SW¼ of SE¼	23	T6N	R5W	M.D.	18	Yes
NW¼ of NW¼	26	T6N	R5W	M.D.	1	Yes
NE¼ of NW¼	26	T6N	R5W	M.D.	18	Yes
NW¼ of NE¼	26	T6N	R5W	M.D.	10	Yes
SE¼ of NW¼	26	T6N	R5W	M.D.	3	Yes
SW1/4 of NE1/4	26	T6N	R5W	M.D.	12	Yes
NW¼ of SE¼	26	T6N	R5W	M.D.	<u>2</u>	Yes
14 YF 74 OF 3L374	20			Total	151	

#### Attachment #5

6. Map

See separate attachment.

#### Attachments to Accompany Water Right Application The Hess Collection Winery Veeder Hills Ranch

#### Attachment #6

#### 17.b. State/Federal Permits and Requirements

Agency	Permit Type	Person Contacted	Contact Date	Telephone No.
Division of Safety of Dams	Approval of Plans and Specifications	John Wright	June 11, 2008	(916) 227-4627
California Department of Fish and Game	Lake and Streambed Alteration Agreement	Region III		(707) 944-5500
U.S. Corps of Engineers	401 Water Quality Certification	San Francisco District		(415) 503-6778

#### Attachment #7

12. Environmental Setting (Photographs)

See separate attachment.

#### ATTACHMENT 3

# Estimate of Water Availability to Accompany Water Right Application by The Hess Collection - Veeder Hills Vineyards

California Water Code Section 1260(k) requires that every application for a permit to appropriate water shall include "sufficient information to demonstrate a reasonable likelihood that unappropriated water is available for the proposed appropriation." This narrative and accompanying calculations provide the required information.

The subject Application includes points of diversion (POD) on Redwood Creek and on two unnamed streams tributary to Pickle Canyon thence Redwood Creek thence Napa Creek thence the Napa River in Napa County (see attached map). According to State Water Resources Control Board Order WR 98-08, the San Francisco Bay watershed is fully appropriated from June 16 to August 31. The Application proposes a diversion season of November 1 to May 31, which conforms to Order WR 98-08. The following describes the methodology used to demonstrate a *reasonable* likelihood that water is physically available for the proposed appropriation.

The attached map shows the proposed points of diversion and the watershed areas tributary thereto. The map also shows lines of equal mean annual runoff as shown on the map included with the document entitled *Mean Annual Runoff in the San Francisco Bay Region, California, 1931-70 by S.E. Rantz, 1974.* An excerpt of this map is attached (Rantz map).

The weighted mean annual runoff for the watersheds tributary to POD 1 and POD 2 was computed based on the Rantz map. Mean *seasonal* runoff for the subject watersheds was estimated by adjusting the mean annual runoff assuming that the ratio of seasonal to annual runoff is identical to the ratio of seasonal to annual mean precipitation. The Napa State Hospital precipitation station was used for this purpose. The resulting seasonal runoff value was adjusted by deducting the *face value* of any senior water rights in the watershed above the proposed points of diversion.

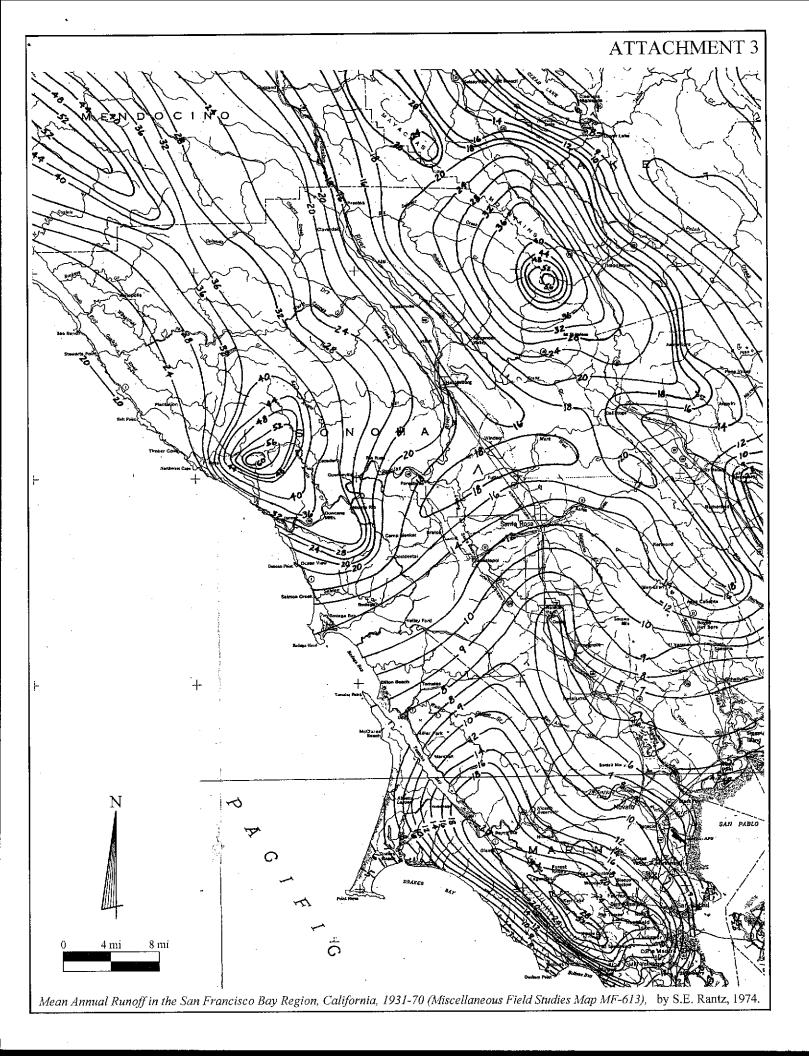
Calculations for the foregoing methodology are attached. These calculations show that in an average water year, approximately 70.3 acre-feet would accrue to POD #1. This would be ample to fill the 14.9 acre-foot reservoir at POD #1 and leave about 55.4 acrefeet of runoff remaining for potential rediversion to POD #2. The calculations show that in an average water year, approximately 25.3 acre-feet would accrue to POD #2. Together with rediversion of 25.1 acre-feet from POD #1, runoff collected at POD #2 would fill the reservoir at POD #2 in an average year and leave about 30.3 acre-feet of runoff remaining downstream of POD #1. Accordingly, it is reasonable to conclude that water is available for the subject Application.

<sup>&</sup>lt;sup>1</sup> USGS Miscellaneous Field Studies Map MF-613, prepared in cooperation with the California Department of Water Resources.

In addition collection of tributary runoff at POD #1 and POD #2, an additional POD #3 is proposed on Redwood Creek for diversion to storage at POD #2. Based on historical records for USGS Gage #11458200 Redwood Creek Near Napa, the mean seasonal discharge at the gage is about is about 7,683 acre-feet, and the average monthly discharge gage during the proposed diversion season is about 18.3 cfs. The gage site is approximately 3.6 river miles downstream of POD #3. The watershed area tributary to POD #3 (4.98 square miles) is approximately 51 percent of the watershed area tributary to the USGS gage (9.79 square miles). Accordingly, a very simple proration would suggest that the seasonal flow at POD #3 would be about 3,900 acre-feet and the average monthly flow would be about 9.3 cfs. Previous water availability studies indicate that the Redwood Creek watershed is not highly developed for water diversions, therefore, water would be available for diversions at POD #3 to supplement runoff collected at PODs #1 and #2.<sup>2</sup>

HESSL007.doc

<sup>&</sup>lt;sup>2</sup> See memorandum from Wagner & Bonsignore Consulting Civil Engineers to State Water Board dated March 20, 2007 regarding water availability for Application 30929 of Kirlin (now Crouse)



#### Water Right Application by Veeder Hills Vineyard Estimate of Water Availability

#### Points of Diversion #1 & #2

#### Monthly Precipitation(1)

#### NAPA STATE HOSPITAL, CALIFORNIA

<b>Month</b>	Mean Precipitation (in)
October	1.39
November	3.04
December	4.59
January	4.87
February	4.55
March	3.33
April	1.65
May	0.70
June	0.23
July	0.02
August	0.08
September	<u>0.28</u>
Annual	24.71

	POD #1	POD <u>#2</u>
Mean precipitation for requested diversion season (11/1 - 5/31):	22.72	22.72 in
Precipitation during requested diversion season as a percentage of total precipitation:	91.95%	91.95%
Mean Annual Runoff: <sup>(2)</sup>	12.8	12.5 in
Estimated Mean Seasonal Runoff.(3)	11.7	11.4 in
Watershed Area for PODs #1 and #2:	72.1	26.6 ac
Total Estimated Mean Seasonal Runoff at PODs #1 & #2:	70.3	25.3 ac-ft
Senior Diverters of Record within PODs #1 & #2 watershed:	n/a	n/a
Total water available:	70.3	25.3 ac-ft

#### Notes:

<sup>(1)</sup> Source: Western Regional Climate Center website, http://www.wrcc.dri.edu/summary/climsmnca.html

<sup>(2)</sup> Mean Annual Runoff in the San Francisco Bay Region, California, 1931-70 (Miscellaneous Field Studies Map MF-613), by S.E. Rantz, 1974.

<sup>(3)</sup> Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation.

# The Hess Collection Veeder Hills Vincyards

				USGS 114:	58200 REI	OMOOD C	USGS 11458200 REDWOOD C NR NAPA CA	CA				
					Month	Monthly Mean Discharge (cfs)	charge (cfs)	1				
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1958	0.00	0.00	0.13	7.52	29.30	3.23	0.95	0.19	0.02	0.00	0.00	1.55
1959	0.10	0.00	0.14	4.96	34.60	17.70	2.34	1.03	0.22	0.01	0.00	0.00
1960	0.00	0.33	2.91	16.9	10.10	12.70	3.09	86.0	0.14	0.01	0.07	0.09
1961	0.00	0.22	4.56	8.70	56.20	31.30	3.77	0.99	0.15	0.00	0.00	0.00
1962	20.20	1.15	14.10	36.70	43.60	24.10	55.20	8.43	2.33	0.42	0.06	0.02
1963	0.57	11.40	1.73	26.70	3.25	2.22	1.03	0.52	0.20	0.03	0.20	0.41
1964	0.19	2.73	52.90	55.50	7.28	2.37	21.40	3.19	0.64	0.18	0.14	0.05
1965	0.18	2.91	5.63	54.50	20.00	66.9	2.43	1.13	0.31	0.02	0.00	0.00
1966	00.00	12.60	30.10	98.80	18.80	30.80	49.30	9.01	7.19	1.07	0.23	0.04
1967	0.05	0.24	1.70	17.80	24.50	23.60	1.37	0.25	0.13	0.01	0.00	0.00
1968	0.15	3.02	26.10	109.60	88.20	25.50	7.98	2.71	68.0	0.19	0.00	0.00
1969	0.11	0.49	45.80	176.50	28.90	15.50	2.95	1.06	0.37	0.05	0.00	0.00
1970	0.02	18.10	08.99	18.10	3.90	12.00	5.60	99.1	0.46	0.12	0.00	0.00
1971	00.00	0.28	2.82	5.02	6.62	2.55	1.60	0.25	0.02	0.01	0.00	0.00
1972	0.63	11.80	11.10	83.40	61.10	31.20	6.70	68.0	0.18	0.02	0.00	0.00
Monthly	1.48	4.35	17.71	47.38	29.09	16.12	11.05	2.15	0.88	0.14	0.05	0.14
AVCI ABE												

Source: USGS Surface-Water Data for California - http://waterdata.usgs.gov/ca/nwis/sw

# The Hess Collection Veeder Hills Vineyards

# USGS 11458200 REDWOOD C NR NAPA CA

				500	STEEDOFOR		THE TANK OF THE PROPERTY OF TH						
					Month	Monthly Mean Discharge (af)	charge (af)						Annual
Water Year	+	NoN	Dec	lan.	Keb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
	5	AONT	3	467	1 627	199	57	11		0	0	92	2,458
8561			c	305	1 922	1 088	139	63	13	0	0	0	3,546
1959	0	0 9	170	307	581	781	184	09	6	0	4	9	2,248
1960		13	6/1	200	107	1075	224	19	6	0	0	0	6,168
1961	0	1.5	787	CCC	3,141	1,72	177	9	351	3,0	_	1	12 3/19
1962	1,242	. 89	867	2,257	2,421	1,482	3,285	218	139	07	+   ?	1 2	2 000
1963	35	829	106	1,642	180	137	61	32	12	7	71	7,4	27,777
1964	12	162	3.253	3.413	419	146	1,273	196	38	11	8	-0	8,934
1065	! =	173	346	3,351	1.111	430	145	69	19	-	0	0	5,656
2201	11	750	1.851	6.075	1 044	1.894	2.934	554	428	99	14	2	15,611
1900	، اِ	00/	105	1,001	1361	1451	82	15	∞	0	0	0	4,133
1967	2	14	3 5	1,0,1	1,501	15:51	475	167	53	11	0	0	15.880
1968	6	180	1,603	0,73	2,073	1,500				r	-	0	16 528
1969	7	29	2,816	0,853	1,605	953	176	69	77	n			27.50
1970	-	1.077	4,107	1,113	217	738	333	102	27	7	0	0	1,723
1971		17	173	309	368	157	95	15	_	0	0	0	1,135
1972	38	702	683	5,128	3,515	1,918	399	55	=	_	0	0	12,450
Monthly	91	259	1,092	2,913	1,638	991	657	132	53	6	ю	6	7,847
Average													

Source: USGS Surface-Water Data for California - http://waterdata.usgs.gov/ca/nwis/sw